

# Marcia Ward's Publications

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## *Peer-Reviewed Papers*

1. Ward MM, Stone SC, Sandman CA. Visual perception in women during the menstrual cycle. Physiology and Behavior, 20(3):239-243, 1978.
2. Ward MM, Sandman CA, George JM, Shulman H. MSH/ACTH 4-10 in men and women: Effects upon performance of an attention and memory task. Physiology and Behavior, 22(4):669-673, 1979.
3. Mefford IN, Ward MM, Miles L, Taylor B, Chesney MA, Keegan DL, Barchas JD. Determination of plasma catecholamines and free 3,4-dihydroxyphenylacetic acid in continuously collected human plasma by high performance liquid chromatography with electrochemical detection. Life Sciences, 28:477-483, 1981.
4. Chesney MA, Sevelius G, Black GW, Ward MM, Swan GE, Rosenman RH. Work environment, Type A behavior, and coronary heart disease risk factors. Journal of Occupational Medicine, 23(8):551-555, 1981.
5. Ward MM, Mefford IN, Parker SD, Chesney MA, Taylor CB, Keegan DL, Barchas JD. Epinephrine and norepinephrine responses in continuously collected human plasma to a series of stressors. Psychosomatic Medicine, 45(6):471-486, 1983.
6. Chesney MA, Ward MM. Biobehavioral treatment approaches for cardiovascular disorders. Journal of Cardiopulmonary Rehabilitation, 5(5):226-232, 1985.
7. Carmelli D, Chesney MA, Ward MM, Rosenman RH. Twin similarity in cardiovascular stress response. Health Psychology, 4(5):413-423, 1985.
8. Ward MM, Chesney MA, Swan GE, Black GW, Parker SD, Rosenman RH. Cardiovascular responses in Type A and Type B men to a series of stressors. Journal of Behavioral Medicine, 9(1):43-49, 1986.
9. Swan GE, Chesney MA, Black GW, Ward MM, Rosenman RH. Self-reported somatic symptoms in Type A and Type B middle-aged males. Stress Medicine, 2:63-68, 1986.
10. Chesney MA, Black GW, Swan GE, Ward MM. Relaxation training for essential hypertension at the work site. The untreated mild hypertensive. Psychosomatic Medicine, 49(3):250-263, 1987.
11. Rosenman RH, Ward MM. The changing concept of cardiovascular reactivity. Stress Medicine, 4:241-251, 1988.

12. Carmelli D, Ward MM, Reid T, Grim CE, Harshfield GA, Fabsitz RR. Genetic effects on cardiovascular responses to cold and mental activity in late adulthood. American Journal of Hypertension, 4:239-244, 1991.
13. Henningfield J, Obarzanek E, Benowitz NL, Hall SM, Klesges RC, Leischow S, Levin ED, Perkins KA, Spring B, Stitzer M, Ward MM, Winders S, Wood P, Woods MN, Isbell T, Klem ML. National Working Conference on Smoking and Body Weight Task Force 2: Methods of Assessment, Strategies for Research. Health Psychology, 11 (Suppl):10-16, 1992.
14. Swan GE, Ward MM, Carmelli D, Jack LM. Differential rates of relapse in subgroups of male and female smokers. Journal of Clinical Epidemiology, 46(9):1041-1053, 1993.
15. Swan GE, Ward MM, Jack LM, Javitz H. Cardiovascular reactivity as a predictor of relapse in male and female smokers. Health Psychology, 12(6):451-458, 1993.
16. Ward MM, Swan GE, Jack LM, Javitz HS. Effect of smoking cessation and relapse on cardiovascular levels and reactivity. Psychopharmacology, 114:147-154, 1994.
17. Turner JR, Ward MM, Gellman MD, Johnston DW, Light KC, Van Doornen LJP. The relationship between laboratory and ambulatory cardiovascular activity: Current evidence and future directions. Annals of Behavioral Medicine, 16(1):3-11, 1994.
18. Ward MM, Turner JR, Johnston DW. Temporal stability of ambulatory cardiovascular monitoring. Annals of Behavioral Medicine, 16(1):12-23, 1994.
19. Ward MM, Swan GE, Jack LM, Javitz HS, Hodgkin JE. Ambulatory monitoring of heart rate and blood pressure during the first week after smoking cessation. American Journal of Hypertension, 8:630-634, 1995.
20. Swan GE, Ward MM, Jack LM. Abstinence effects as predictors of 28 day relapse in smokers. Addictive Behaviors, 21:481-490, 1996.
21. Swan GE, Jack LM, Ward MM. Subgroups of smokers with different success rates after use of transdermal nicotine. Addiction, 92:207-218, 1997.
22. Javitz HS, Ward MM, Martens L. Major Costs associated with pressure sores. Journal of Wound Care, 7:286-290, 1998.
23. Ward MM, Javitz HS, Smith WM, Bakst A. A comparison of three approaches for attributing hospitalizations to specific diseases in cost analyses. International Journal of Technology Assessment in Health Care, 16(1):125-136, 2000.
24. Ward MM, Javitz HS, Yelin E. The cost of illness of rheumatoid arthritis. Value in Health, 3: 243-252, 2000.

25. Ward MM, Javitz HS, Smith WM, Bakst A. Direct medical cost of chronic obstructive pulmonary disease in the U.S. Respiratory Medicine, 94:1123-1129, 2000.
26. Borders TF, Rohrer JE, Hilsenrath PE, Ward MM. The effects of attitudes, social characteristics, and health insurance on rural residents' migration for family physician care. Journal of Rural Health, 16: 337-348, 2000.
27. Ward MM, Swan GE, Jack LM. Self-reported abstinence effects in the first month after smoking cessation. Addictive Behaviors, 26: 311-327, 2001.
28. Culica D, Rohrer J, Ward M, Hilsenrath P, Pohmrehn P. Medical check-ups: Who does not get them? American Journal of Public Health, 92(1): 88-91, 2002.
29. Ward MM, Javitz HS, Smith WM, Whan MA. Lost income and work limitations in persons with chronic respiratory disorders. Journal of Clinical Epidemiology, 55(3): 260-268, 2002.
30. Vaughn TE, Ward MM, Doebbeling BN, Uden-Holman T, Clarke WR, Woolson RF. Organizational and provider characteristics fostering smoking cessation clinical guideline adherence: An empirical look. Journal of Ambulatory Care Management, 25(2): 17-31, 2002.
31. Javitz HS, Ward M. Value of antimicrobials in the prevention and treatment of tuberculosis in the U.S., International Journal of Tuberculosis and Lung Disease, 6(4): 275-288, 2002.
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33. Doebbeling BN, Vaughn TE, Woolson RF, Peloso PM, Ward MM, Letuchy E, BootsMiller BJ, Tripp-Reimer T, Branch LG. Benchmarking Veterans Affairs Medical Centers in the delivery of preventive health services: Comparison of methods. Medical Care, 40(6): 540-554, 2002.
34. Javitz HS, Ward MM, Farber E, Nall L, Vallow SG. The direct cost of care for psoriasis and psoriatic arthritis in the United States. Journal of the American Academy of Dermatology, 46: 550-860, 2002.
35. Ward MM, Doebbeling BN, Vaughn TE, Uden-Holman T, Clarke WR, Woolson RF, Letuchy E, Branch LG, Perlin J. Longitudinal effectiveness of a nationally implemented smoking cessation guideline on provider and patient practices. Preventive Medicine, 36(3): 265-271, 2003.
36. Welke KF, BootsMiller BJ, McCoy KD, Vaughn TE, Ward MM, Flach SD, Peloso PM, Sorofman BA, Tripp-Reimer T, Doebbeling BN. What factors influence provider

knowledge of a congestive heart failure guideline in a national health care system? American Journal of Medical Quality, 18(3): 122-127, 2003.

37. Diekema DJ, BootsMiller BJ, Vaughn TE, Woolson RF, Yankey JW, Ernst EJ, Flach SD, Ward MM, Franciscus CLJ, Pfaller MA, Doebbeling BN. Antimicrobial resistance trends and outbreak frequency in United States hospitals. Clinical Infectious Diseases, 38(1): 78-85, 2004.
38. Ernst EJ, Diekema DJ, BootsMiller BJ, Vaughn TE, Yankey JW, Flach SD, Ward MM, Franciscus CLJ, Acosta E, Pfaller MA, Doebbeling BN. Are United States hospitals following national guidelines for the analysis and presentation of cumulative antimicrobial susceptibility data? Diagnostic Microbiology and Infectious Disease, 49(2): 141-145, 2004.
39. Ward MM, Yankey JW, Vaughn TE, BootsMiller BJ, Flach SD, Welke KF, Pendergast JF, Perlin J, Doebbeling BN. Physician process and patient outcome measures for diabetes care: Relationships to organizational characteristics. Medical Care, 42(9): 840-850, 2004.
40. Ward MM, Jaana M, Wakefield DS, Ohsfeldt RL, Schneider JE, Miller T, Lei Y. What would be the effect of referral to high-volume hospitals in a largely rural state? The Journal of Rural Health, 20(4): 344-354, 2004.
41. Wakefield DS, Ward M, Miller T, Ohsfeldt R, Jaana M, Lei Y, Tracy R, Schneider J. Intensive care unit utilization and interhospital transfers as potential indicators of rural hospital quality. The Journal of Rural Health, 20(4): 394-400, 2004.
42. Flach SD, McCoy KD, Vaughn TE, Ward MM, BootsMiller BJ, Doebbeling BN. Does patient-centered care improve provision of preventive services? Journal of General Internal Medicine, 19(10):1019-1026, 2004.
43. BootsMiller BJ, Yankey JW, Flach SD, Ward MM, Vaughn TE, Welke KF, Doebbeling BN. Classifying the effectiveness of VA guideline implementation approaches. American Journal of Medical Quality, 19(6): 248-254, 2004.
44. Ward MM, Diekema DJ, Yankey JW, Vaughn TE, BootsMiller BJ, Pendergast JF, Doebbeling BN. Implementation of strategies to prevent and control the emergence and spread of antimicrobial-resistant microorganisms in U.S. hospitals. Infection Control and Hospital Epidemiology, in press.
45. Flach SD, Diekema DJ, Yankey JW, BootsMiller BJ, Vaughn TE, Ernst EJ, Ward MM, Doebbeling BN. Variation in the use of procedures to monitor antimicrobial resistance in U.S. hospitals. Infection Control and Hospital Epidemiology, in press.
46. Ward MM, Yankey JW, Vaughn TE, BootsMiller BJ, Flach SD, Watrin S, Doebbeling BN. Provider adherence to COPD guidelines: Relationship to organizational factors. Journal of Evaluation in Clinical Practice, 11(4):379-387, 2005.

47. Javitz HS, Ward MM, Watson, Jaana M. Cost of illness of chronic angina. American Journal of Managed Care, in press.
48. Ohsfeldt RL, Ward MM, Schneider JE, Jaana M, Miller T, Lei Y, Wakefield DS. Implementation of computerized physician order entry systems in Iowa hospitals: Feasibility and financial impact. Journal of the American Medical Informatics Association, in press.
49. Bergus GR, Hartz AJ, Noyes R, Ward MM, James PA, Vaughn TE, Kelley PL, Sinift SD, Bentler SE, Tilman E. The limited effect of screening for depression in rural family practice. Journal of Rural Health, in press.

### ***Non-Peer-Reviewed Papers***

1. Jensen RA, Ward MM, Halualani R, Janshekar H. Positioning study for a new CNS agent. Final report to Bayer AG, November 25, 1992.
2. Javitz HS, Smith WM, Ward MM. A randomized double blind health economics evaluation of a new treatment of acute coronary ischemic syndromes. Protocol submitted to Merck, March 15, 1994.
3. Ward MM, Javitz HS, Smith WM. Depression treatment and outcomes map literature review. Final report submitted to Pfizer Inc, July 29, 1994.
4. Pryor GT, Ward MM. Technical evaluation of EGIS-3886. Final report prepared for EGIS Pharmaceuticals Ltd, August 24, 1994.
5. Ward MM, Pryor GT, MacGregor JT. Technical evaluation of EGIS-5810. Final report prepared for EGIS Pharmaceutical Ltd, September 15, 1994.
6. Smith WM, Ward MM, Javitz HS. Disease management opportunities for cardiovascular disease. Final report submitted to Medco Containment Services Inc, June 12, 1995.
7. Javitz HS, Ward MM, Yelin EH. Analysis of the cost of illness of rheumatoid arthritis. Final report submitted to Pfizer Inc, July 28, 1995.
8. Ward MM. Obsessive compulsive disorder literature review. Final report of literature review task submitted to Pfizer Inc, August 13, 1995.
9. Ward MM, Shah AS. Nanolymph: Keys to clinical acceptance. Final report presented to Nycomed Inc, December 28, 1995.

10. Lee LK, Ward MM, Javitz HS, Smith WM. Analysis of primary sources of payment for medical care for chronic obstructive pulmonary disease. Supplemental report submitted to SmithKline Beecham Pharmaceuticals, February 16, 1996.
11. Javitz HS, Ward MM. Obsessive compulsive disorder: Results of the literature review, innovation workshop, and computer simulations. Final report submitted to Pfizer Inc, June 1, 1996.
12. Ward M, Lee LK, Javitz HS, Smith WM. Cost of illness analysis of chronic obstructive pulmonary disease. Final report submitted to SmithKline Beecham Pharmaceuticals, June 26, 1996.
13. Smith WM, Javitz HS, Ward MM. Economic consequences of a newly developed drug for chronic obstructive pulmonary disease. Final report submitted to SmithKline Beecham Pharmaceuticals, June 27, 1996.
14. Ward MM, Swan GE. What's new in biobehavioral research. Article in the Society for Research on Nicotine and Tobacco Newsletter, Summer 1996.
15. McDermott J, Ward MM, Bertetti S. Franchise opportunities and pipeline assessment for a new schizophrenia drug. Final report presented to Janssen Pharmaceutica, August 1996.
16. Javitz HS, Ward MM. Pressure ulcers in the bedridden: Identification of major cost drivers. Final report prepared for Johnson and Johnson, October 3, 1996.
17. Humphrey DC, Powell J, Young VM, Schields PM, Ward MM. Strategic plan for the Delantoni Trust, submitted to the John H. Delantoni Trust, December 1996.
18. McDermott J, Creech T, Ward MM. Clinical practice guidelines and their implications for anti-infectives. Final report submitted to Pfizer Inc, March 1997.
19. Ward MM, Lee LK, Javitz HS, Smith WM. Analysis of lost income and activity limitation implications of COPD. Supplemental report submitted to SmithKline Beecham Pharmaceuticals, June 8, 1997.
20. Javitz HS, Ward MM, Farber E, Nall L. Cost of illness analysis of psoriasis. Final report submitted to SmithKline Beecham Pharmaceuticals, November 9, 1998.
21. Javitz HS, Ward MM. Value of pharmaceuticals: Value of antimicrobials in the prevention and treatment of tuberculosis. Final report submitted to the Pharmaceutical Research and Manufacturers of America, May 26, 1999.
22. Javitz HS, Ward MM. Value of pharmaceuticals: Value of antimicrobials and vaccines in the prevention and treatment of bacterial pneumonia. Final report submitted to the Pharmaceutical Research and Manufacturers of America, June 23, 1999.

23. Anderson R, Ward M, Greene B. An assessment of the mental health treatment within the Iowa Department of Corrections. Final report submitted to the Iowa Department of Corrections, April 10, 2002.
24. Javitz HS, Ward MM. Cost-of-illness of stable angina and coronary heart disease. Final report submitted to CV Therapeutics, December 19, 2003.

## **Books, Monographs, Chapters**

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1. Feuerstein M, Ward MM, LeBaron SWM. Neuropsychological and neurophysiological assessment of children with learning disabilities and behavior problems: A critical appraisal. In Lahey BB and Kazdin AE (eds.), Advances in Clinical Child Psychology, Vol. 2, New York: Plenum Press, 1979.
2. Feuerstein M, Ward MM. Psychological treatment of cardiac arrhythmias. In Ferguson JM and Taylor CB (eds.), The Comprehensive Handbook of Behavioral Medicine, Vol. 1, Jamaica, New York: Spectrum Publications, 1980.
3. Ward MM, Mefford IN, Black GW, Bortz WM. Exercise and plasma catecholamine release. In Fotherby K and Pal SB (eds.), Exercise Endocrinology, Berlin: Walter de Gruyter, 1985.
4. Ward MM, Mefford IN. Methodology of studying the catecholamine response to stress. In Steptoe A, Ruddel H and Neus H (eds.), Clinical and Methodological Issues in Cardiovascular Psychophysiology, Heidelberg: Springer-Verlag, 1985.
5. Ward MM, Chesney MA. Diagnostic interviewing for psychophysiological disorders. In Hersen M and Turner SM (eds.), Diagnostic Interviewing, New York: Plenum Press, 1985.
6. Ward MM, Swan GE, Chesney MA. Arousal-reduction treatments for mild hypertension: A meta-analysis of recent studies. In Julius S and Bassett DR (eds.), Handbook for Hypertension, Vol. 9: Behavioral Factors in Hypertension. Amsterdam: Elsevier, 1987.
7. Ward MM. Relationship of anxiety and cardiovascular reactivity. In Byrne DG and Rosenman RH (eds.), Anxiety and the Heart, New York: Hemisphere Publishing Corp., 1990.
8. Swan GE, Ward MM, Carmelli D, Jack LM. Identification of subgroups with differential rates of relapse after smoking cessation: Applications to alcohol research. In Fertig JB and Allen JP (eds.), Alcohol and Tobacco: From Basic Science

to Clinical Practice, NIAAA Research Monograph No. 30, Washington D.C., DHHS, 1995.

## **Abstracts**

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1. Ward MM, Chesney MA, Swan GE, Black GW, Parker SD, Rosenman RH. Cardiovascular responsiveness to a series of challenging tasks in Type A and Type B adult male subjects. Psychophysiology, 19(5):591, 1982.
2. Ward MM, Parker SD, Chesney MA, Rosenman FH, Mefford IN. Catecholamine and cardiovascular responses to mental arithmetic, handgrip, and cold pressor in Type A and Type B men. Psychophysiology, 20(4):477, 1983.
3. Eckerle JS, Ward MM, Montgomery LD, Podlesny JA. Arterial tonometry for continuous relative blood pressure. Psychophysiology, 21(5):575-576, 1984.
4. Ward MM, Carmelli D, McElroy MR. Exercise effects on cardiovascular responses and reaction time performance. Psychophysiology, 21(5):603, 1984.
5. Ward MM, Carmelli D, Swan GE, McElroy MR, Rosenman RH. Stability of laboratory and ambulatory blood pressure and heart rate. Psychophysiology, 25(4):488, 1988.
6. Ward MM, Rosenman RH, Carmelli D, Blumlein SL, McElroy MR, Jack LM. Effect of antihypertensive medication on cardiovascular reactivity, Psychophysiology, 25(4):489, 1988.
7. Ward MM, Swan GE, McElroy M, Jack LM. Anxiety and cardiovascular reactivity. Psychophysiology, 26(4A):S64, 1989.
8. Ward MM, Carmelli D. Long-term stability of cardiovascular responses to challenge in older males. Psychophysiology, 26(4A):S64, 1989.
9. Swan GE, Ward MM, Jack L, Carmelli D, McElroy M. The relationship between cotinine and time from last cigarette to cardiovascular reactivity before and after short-term smoking cessation. Psychophysiology, 26(4A):S59, 1989.
10. Ward MM, Swan GE, Jack LM. 24-hour ambulatory monitoring of blood pressure and heart rate before and after smoking cessation. Psychophysiology, 27(4A):S73, 1990.
11. Ward MM, Swan GE, Carmelli D. Relationship of blood pressure and heart rate to tension and anger during the workday. Psychophysiology, 27(4A):S73, 1990.



12. Swan GE, Ward MM, Jack L. Characteristics of participants and dropouts engaged in a psychophysiological study: A potential source of bias? Psychophysiology, 27(4A):S68, 1990.
13. Swan GE, Ward MM, Jack LM, Carmelli D. Cardiovascular reactivity as a predictor of relapse in ex-smokers. Psychophysiology, 28(4A):S55, 1991.
14. Ward MM, Swan GE, Jack LM, Javitz HS, Smith FS, Kane CA, Hodgkin JE. Ambulatory monitoring of heart rate, blood pressure, and withdrawal symptoms during the first week following smoking cessation. Psychophysiology, 28(4A):S60, 1991.
15. Swan GE, Carmelli D, Ward MM, Jack L, McElroy M. Relapse in male and female ex-smokers. Identification of risk groups by tree-structured survival analysis. Circulation, 84(4):II-288, 1991.
16. Swan GE, Ward MM, Jack LM, Javitz HS. Cardiovascular reactivity as a predictor of relapse in male and female smokers. Psychophysiology, 29(4A):S68, 1992.
17. Ward MM, Swan GE, Jack LM, Javitz HS. Reproducibility of 24-hour blood pressure and heart rate in smokers and nonsmokers. Psychophysiology, 29(4A):S73, 1992.
18. Ward MM, Swan GE, Jack LM, Javitz HS. Effect of talking on blood pressure and heart rate levels in the laboratory and in the field. Psychophysiology, 29(4A):S74, 1992.
19. Swan GE, Ward MM, Jack LM, and Carmelli D. Weight-related factors as predictors of a high rate of smoking relapse. Annals of Behavioral Medicine, 15:S134, 1993.
20. Cardon LR, Carmelli D, Ward MM, Fabsitz R, Reed T, Christian J. Genetic influences on heart rate levels during 4 hours of ambulatory ECG monitoring. Annals of Behavioral Medicine, 15:S169, 1993.
21. Ward MM, Swan GE, Jack LM, Javitz HS. Comparison of heart rate and blood pressure habituation in the laboratory and in the usual environment. Annals of Behavioral Medicine, 15:S175, 1993.
22. Swan GE, Ward MM, Jack LM, LaRue A. Ambulatory blood pressure levels and memory performance in older males. The Gerontologist, 33:221, 1993.
23. Ward MM, Swan GE, Jack LM. Subjective complaints after smoking cessation: Transient vs. offset effects. Annals of Behavioral Medicine, 16:S43, 1994.
24. Ward MM, Swan GE and Jack LM. Changes in 24-hour ambulatory blood pressure and heart rate after smoking cessation. Annals of Behavioral Medicine, 16:S60, 1994.

25. Swan GE, Ward MM, Jack LM. Distal or proximal? Stress and craving as predictors of relapse in smokers. Annals of Behavioral Medicine, 16:S120, 1994.
26. Swan GE, Ward MM, and Jack LM. Abstinence effects as predictors of 28 day relapse in smokers. Annals of Behavioral Medicine, 16:S120, 1994.
27. Ward MM, Swan GE, Jack LM. Weight changes in the first month after smoking cessation in men and women. Annals of Behavioral Medicine, 16:S120, 1994.
28. Ward MM, Swan GE, Jack LM. Ambulatory blood pressure and heart rate during the first 16 hours after smoking cessation. Psychophysiology, 31:S103, 1994.
29. Ward MM, Swan GE, Jack LM, McElroy MR. Weight change after smoking cessation with and without nicotine patch. Annals of Behavioral Medicine, 17:S069, 1995.
30. Ward MM, Swan GE, Jack LM, McElroy MR. Blood pressure and heart rate levels during the first six months after smoking cessation. Psychophysiology, 32:S83, 1995.
31. Terry RB, Ward M, Swan GE. Weight gain in early smoking cessation may include more water than fat. Addiction, 91(1):144, 1996.
32. Ward MM, Swan GE, Jack LM. Severity of self-reported symptoms predicts early smoking relapse. Addiction, 91(1):144, 1996.
33. Swan GE, Jack LM, Ward MM. Identification of subgroups of smokers with differential success rates following the use of transdermal nicotine. Addiction, 91(1):144, 1996.
34. Ward MM, Swan GE, Jack LM, McElroy MR. Abstinence effects after smoking cessation with and without patch. Annals of Behavioral Medicine, 18:S229, 1996.
35. Ward MM, Javitz HS, Smith WM, Bakst A, Orzolek WS. Cost of hospitalizations for COPD: A comparison of three approaches for attributing cost by diagnosis. Health Services Research, 13(suppl):304-305, 1998.
36. Welke KF, McCoy KD, Vaughn TE, BootsMiller BJ, Ward MM, Franciscus CL, Doebling BN. Which factors promote adherence with a congestive heart failure guideline in the VA's national health care system. Journal of General Internal Medicine, 17(1) (Supplement 1):217, 2002.